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## HYDROLOGICAL DATA

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No. 19

GROUND-WATER DATA FAIRBANKS AREA

In cooperation with the U. S. Geological Survey  
**ALASKA DEPT. OF HEALTH  
SECTION OF SANITATION & ENGINEERING  
JUNEAU - ALASKA**

WILLIAM H. DODGE, JR., CHIEF OF THE FOREST SERVICE

U. S. FOREST SERVICE, WASHINGTON, D. C.

PREFACE

Ground-water data for Fairbanks area, Alaska

A compilation of records of about 450 wells in the Fairbanks area is presented herein. The data were collected by D. J. Cedarstrom and Troy L. Pewe<sup>1</sup> during the first phases of an investigation by the United States Geological Survey of the permafrost, terrain, and water resources of the Fairbanks area. The enclosed map of the area, showing well locations, was prepared by the Regional Sanitary Engineer, Sanitation and Engineering, Alaska Department of Health and Welfare. The data were released to the Survey's open file in 1948, but are reproduced in the Alaska Department of Health and Welfare Hydrological Data Series to insure preservation.

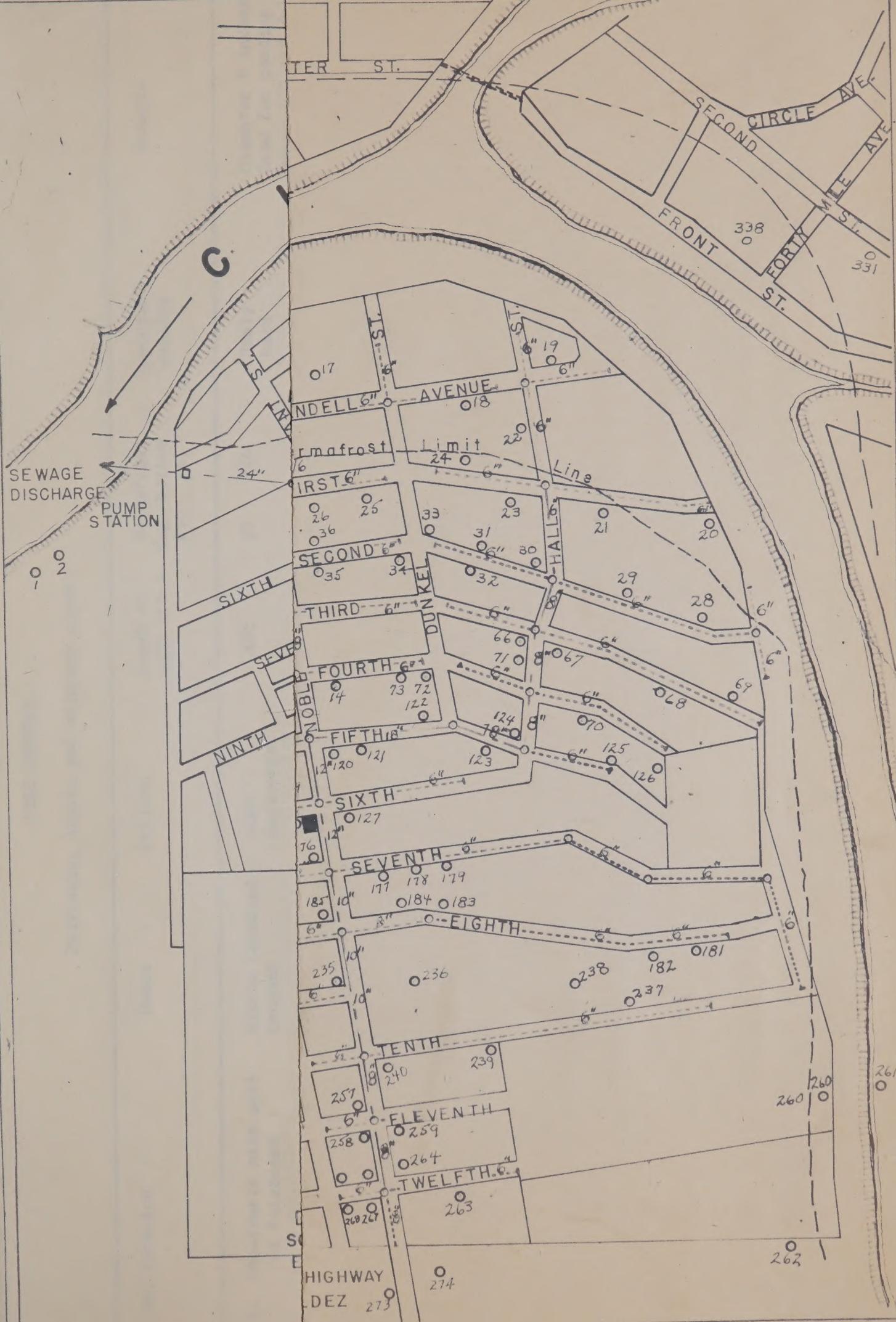
Where known, the data include for each well the names of the owner and driller; the depth of the well; the depth to the top and bottom of permafrost; and the reported quality of water. The well records and location may be very useful for future subsurface investigations or construction.

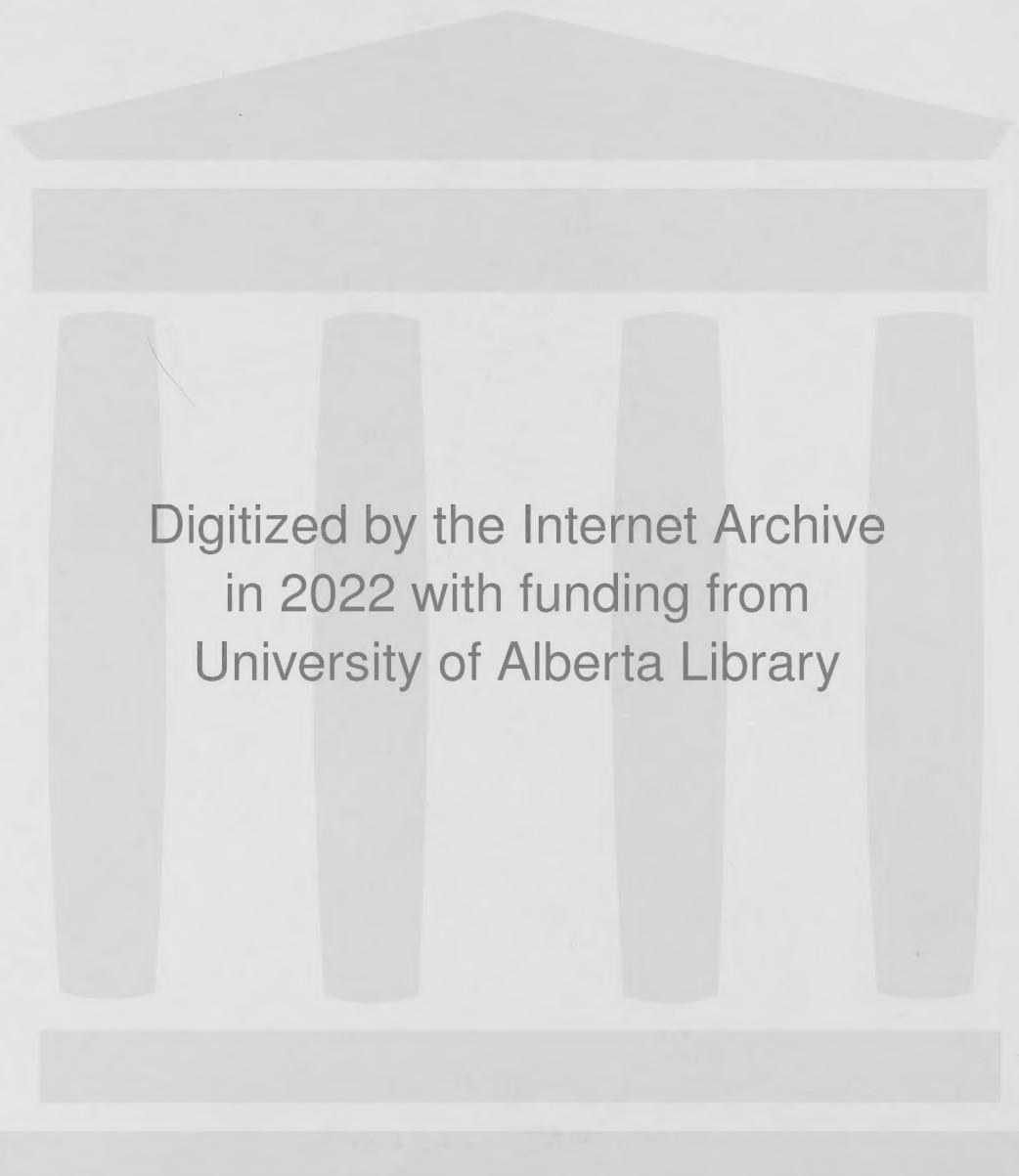
The well location map was based on the Fairbanks street names as of 1948. Since that time, many of the street names and the numbering system have changed. Hence, the reader should not refer to the address of a particular well, but to the well number when locating a well on the map.

The Geological Survey has recompiled the well data in the Fairbanks area for its final phase of a ground-water study. Data through 1954 is to be presented in a Water-Supply Paper now in preparation. Pertinent portions of the enclosed well data will be presented in the forthcoming report.

Some of the enclosed well data, and additional well logs, have been published in a report (Pepe<sup>1</sup>, Troy L., 1958, Geology of the Fairbanks (D-2) quadrangle, Alaska: U. S. Geological Survey GQ 110) describing the geology and subsurface conditions in the area.







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## Fairbanks, Alaska and adjacent areas

No. Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom ft. ft.	Reported quality	Remarks
1. One-fourth mile west of Fairbanks	Alaska Chemical Company	Army Engineers	126	27 116	Rusty hard	Diameter 6 inches Used for cooling Pumps 100 gal./min.
2. One-fourth mile west of Fairbanks	J. W. Smith	Owner	28		Slight iron, soft	
3. 1317 First Ave.	J. T. Hutchison	Owner	56		Good	Water level 12 feet below surface--annual range about 1 foot
4. 1319 First Ave.	Frank Wilman	O. Fisher	35		Good	
5. 1217 First Ave.	T. L. Torgerson	Owner	25		Good	Water softer when river is high
6. 1123 First Ave.	Lt. Archbold		25		Good	
7. 1109 First Ave.	H. K. Carlisle		85	None(?)	Rusty	Became rusty after flood of 1937
8. 1107 First Ave.	Comm. Patterson		28		Rusty	
9. 1103 First Ave.	M. Burglin		80 +	None(?)		
10. 1011 First Ave.	S. McQuarry		27		Rusty	
11. 911 First Ave.	H. Weir	O. Stevens	27		Rusty,	
12. Cowles St. and First Ave.	City Library	O. Stevens	65	15 55	hard	



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom ft. ft.	Reported quality	Remarks
13.	801 First Ave.	Palfry Sheet Metal Works	Owner	20		Hard	
14.	Blanchfield St. And First Ave.	Fairview Hotel	O. Fisher	140		Excellent	Good water available also at 72 feet
15.	First Ave. near Lacy St.	Peerless Bakery	O. Fisher	140	Present		Well driven in old deep dug well
16.	328 First Ave.	Mike Mintti		40		Slight iron, hard	
17.	Mendell Ave. near Dunkel St.	Swimming Pool	M. Erceg	25		Slight iron	Diameter 3 in. Pumps 103 gal/min., max. of 150,000 gal. per day, water treated and chlorinated
18.	217 Wendell Ave.	C. Cook		54		Rusty	
19.	120 Wendell Ave.	J. Korbo	Owner	48		Slight iron and hardness	
Ja.	197 First Ave.	Alaska Beverage Co.	M. Erceg	92	(?)	(?)	Rusty, hard
Jb.	197 First Ave.	Alaska Beverage Co.	M. Erceg	102	(?)	(?)	Water treated before use in soft drink establishment
l.	117 First Ave.	Phillips & Mapleton	O. Stevens	60	20	55	



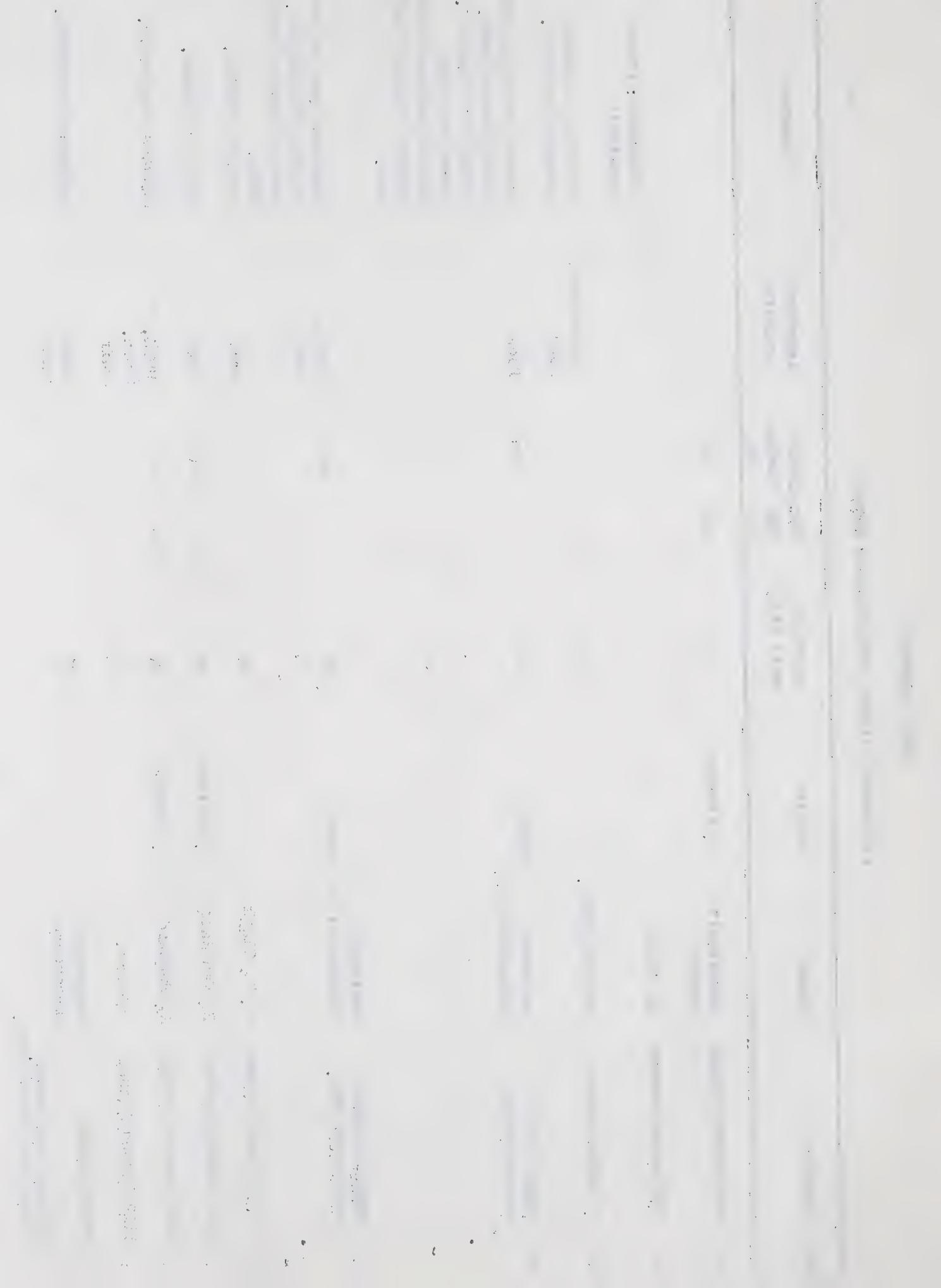
## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom ft.	Reported quality	Remarks
22	94 Hall Street	W. Knapp	Owner	45		Good	
23	207 First Avenue	M. C. Smith		28		Rusty, hard	
24	212 First Avenue	T. H. Gibson		37		Hard, silt. iron	
25	311 First Avenue	Kupper		65	10	Good	
26	321 First Avenue	A. H. Bahlike		96	10	25	Hard, silt. iron
27	?						
28	110 Second Avenue	Fairbanks Ldry.	M. Erceg	82	32	33	Diameter 3 inches
29	116 Second Avenue	E. F. Heilman		35			Iron content varies, high in Feb. and March
30	202 Second Avenue	T. Hoover		70+	40	70	Rusty, soft
31	224 Second Avenue	F. Link		45	18	32	Rusty, hard
32	221 Second Avenue	J. Schultz		48	18	28	
33	220 Second Avenue	Alec Husac	O. Fisher	43	34	39	Hardness variable; no rust
34	301 Second Avenue	F. Link		65			Hard, silt. iron



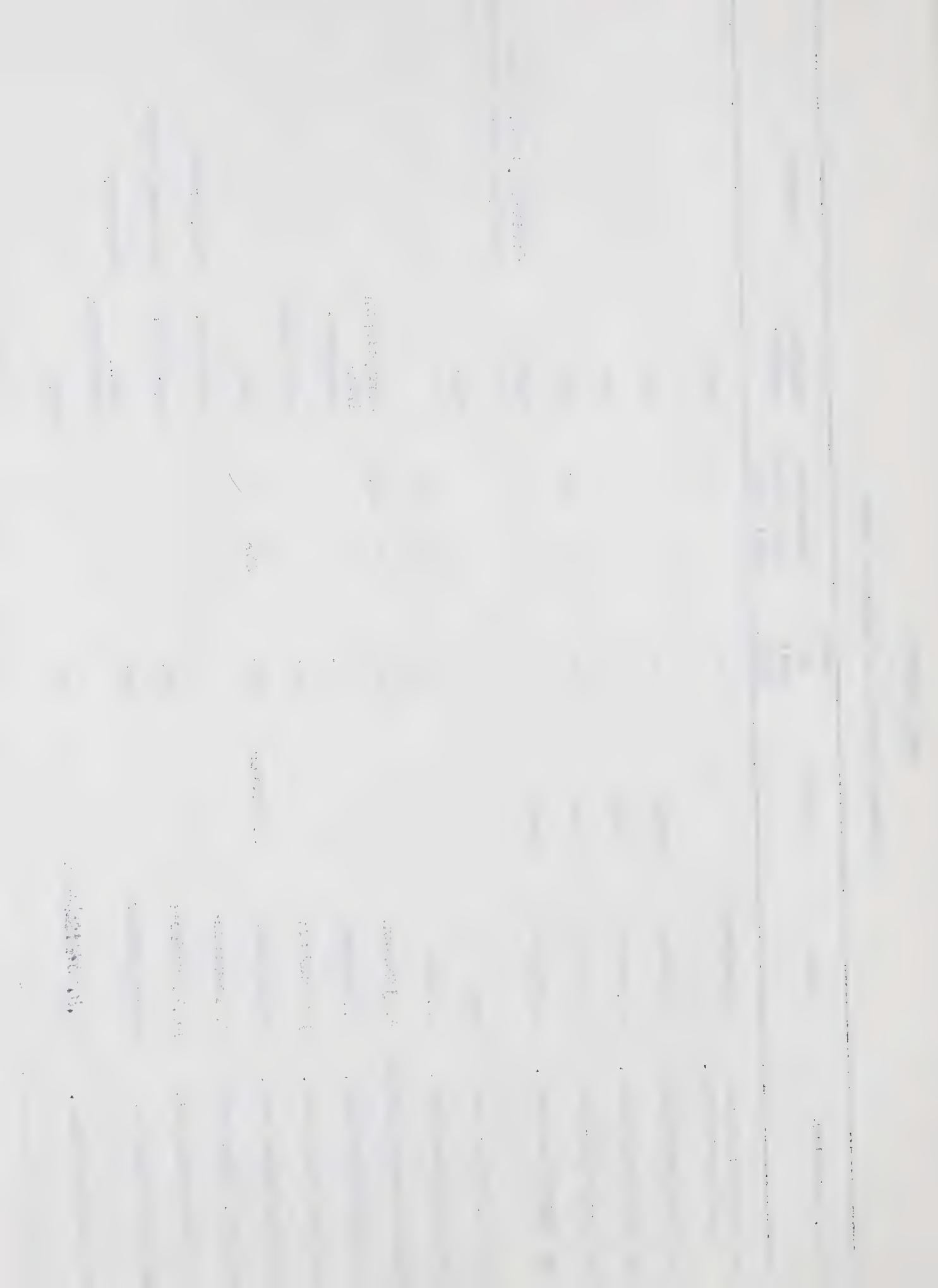
## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom ft.	Reported quality	Remarks
35	329 Second Avenue	U-Drive-It Garage	O. Stevens	52	20	50	Abandoned; froze regularly
36	330 Second Avenue	E. Ricks					Diameter 2 inches pumps $6\frac{1}{2}$ gal/min.
37	23 Noble Street	Greiman Bldg.		42	8	Slight rust, hard	Tunnel extending out under Chena River. Temp. 47°F 8-18-47.
38	Turner St. & Second Avenue	Northern Commercial Co.	Owner	47	47+	Poor	Water used for boiler feed and condenser; treated before use.
39	Turner Street And Second Ave.	Northern Commercial Co.	Owner	90	90	Rusty, hard	Supplies part of town. Yields 700 gal/min. with 1½ feet of drawdown. Quality varies.
40	815 Second Avenue	R. W. Clark		28		Hard	Used to freeze.
41	907 Second Avenue	E. Van Raes	T. Collins	68	22	Good	Freezes regularly.
42	1021 Second Avenue	R. Hubbard	G. Fisher	50	16	47	Fair
43	1119 Second Avenue	Williams		20			Irrigates tomatoes.
44	Second Avenue	Torgerson		22			Rusty, hard
45	Second Ave. betw. State and Cleary sts.						



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
46	Lincoln Street and Second Ave.	W. Tufford		24		Fair	
47	1506 Third Ave.	A. Wehner	Owner	76		Fair	
48	1504 Third Ave.	C. Wehner	Owner	25		Poor	
49	1502 Third Ave.	A. Wehner	Owner	93	7	Fair	
50	1200 Third Ave.	A. Norlin	Owner	42	7	Hard Rusty	Freezes. Quality was excellent until 1937 flood
51	1116 Third Ave	Ross		22		Fair	
52a	1111 Third Ave.	B. Davis		85+	10	75	
52b	208 Bonnifield St.	E. Johnson		60	30	55	Hard, slight iron
53	1019 Third Ave.	J. Crowder		25		Excellent	
54	1020 Third Ave.	Joe Hubbard		20		Hard, rusty	
55	1010 Third Ave.	Betty Jane	O. Stevens	28	28	Poor	
56	911 Third Ave.	B. Lawrence				Excellent	Well freezes
57	302 Cowles St.	E. P. DeMree		85		Hard, rusty	Has never frozen
58	301 Cowles St.	Percy Hubbard		85		Hard, slight iron	Froze once
59	807 Third Ave.	C.D. O'Flannigan		18		Good	



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom ft.	Reported quality	Remarks
50	314 Third Ave.	Mr. Landstrom		100		Hard, rusty	Never freezes.
51	207 Wickersham St.	T. L. Lynn		99	36	76	Well used to freeze.
52	707 Third Ave.	E. Calahan		25			Very hard
54	519 Third Ave.	R. Bloom	Owner	86	6	40	Soft
55	Lacey St. and Third Ave.	Lacy St. Hotel	O. Stevens	21			Fair
56	301 Third Ave.	D. C. Tucker		87	40	80	Hard, slight iron
57	Hall St. and Third Ave.	Pioneer Well		22			Excellent
58	129 Third Ave.	J. Hurley	O. Fisher	55			Sold as bottled water. Dug.
59	110 Third Ave.	H. Reed	O. Stevens	25	14	18	No permafrost.
60	Fourth Ave.	Mr. Muller	do.	40	18	35	Good
61	Hall St. and Fourth Ave.	Pepsi-Cola Co.	do.	18			Excellent
62	303 Fourth Ave.	C. Preston		53			Rusty
63	325 Fourth Ave.	F. Bush	O. Fisher	63	30	35	Slight iron, hard



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom ft.	Reported quality	Remarks
75	401 Fourth Ave.	D. Gorden		60		Poor	Quality formerly better
76	414 Fourth Ave.	F. McGarvey		118		Excellent	Quality poor at 35 feet.
77	526 Fourth Ave.	Miss June		62	22	40	
78	533 Fourth Ave.	Vagn Rydeng	Owner	90			Owner reports permafrost is absent.
79	607 Fourth Ave.	Georgia Lee	O. Fisher	60	10	50	Well does not freeze.
80	623 Fourth Ave.	J. H. Jenson	do.	89	12	86	
81	632 Fourth Ave.	Miss June	O. Stevens	84	22	70	Yields 30 gallons a minute to suction pump.
82	650 Fourth Ave.		O. Fisher	70		Good	No permafrost, according to driller.
83	709 Fourth Ave.	Winn Wurtz	O. Stevens	62	25	57	Good
84	721 Fourth Ave.		D. Lohman	35		Excellent	
85	818 Fourth Ave.	Mrs. Stone		73		Excellent	Not in use; frozen solid.
86	820 Fourth Ave.	Mrs. Morgan	O. Fisher	71	42	68	Excellent
87	402 Cowles St.	J. E. Barrack	E. Kehough	99		Good	Does not freeze.
88	925 Fourth Ave.	C. N. Lawson	Owner	40	20	21	Slight iron, hard
89	1008 Fourth Ave.	Roy Woyer	Owner	35	27	27	



## WELL RECORDS

## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top (ft)	Permafrost bottom (ft)	Reported quality	Remarks
90	1021 Fourth Ave.	L.J. McCoy		54				Rusty, hard
91	401 Cleary St.	H.H. Porter		20				Rusty, odor
92	1220 Fourth Ave.	Mr. Hendricks		50				
93	1407 Fourth Ave.	Steve Stopper	O. Stevens	100	10	50	Good	Water between 50 & 100 feet is poor
94	1500 Fourth Ave.	Pauline Goulet	O. Stevens	70	25	65		Well yield, 40 gpm
95	Fourth Avenue	Pauline Goulet	O. Stevens	84	25	77		Well yield, 30 gpm
96	Sixth Avenue	J. Johnson	O. Stevens	55	20	55	Good	
97	1110 Fifth Ave.	Ted Lafon	Owner	72	2	37		Some iron & hardness
98	1100 Fifth Ave.	R. Hoops	O. Stevens	85	20	70		
99	502 Bonnifield	T. M. Hunt	V. Scholseth	86	10	49		Used to freeze
100	1200 Sixth Ave.	J. Larson	O. Stevens	86	24	55	Good	Does not freeze
101	1005 Fifth Ave.	Vagn Rydeng	Owner	60				Hard, slight iron
102	Kellum St. and Fifth Ave.	P. B. Haggland	O. Fisher	63				Hard, slight iron



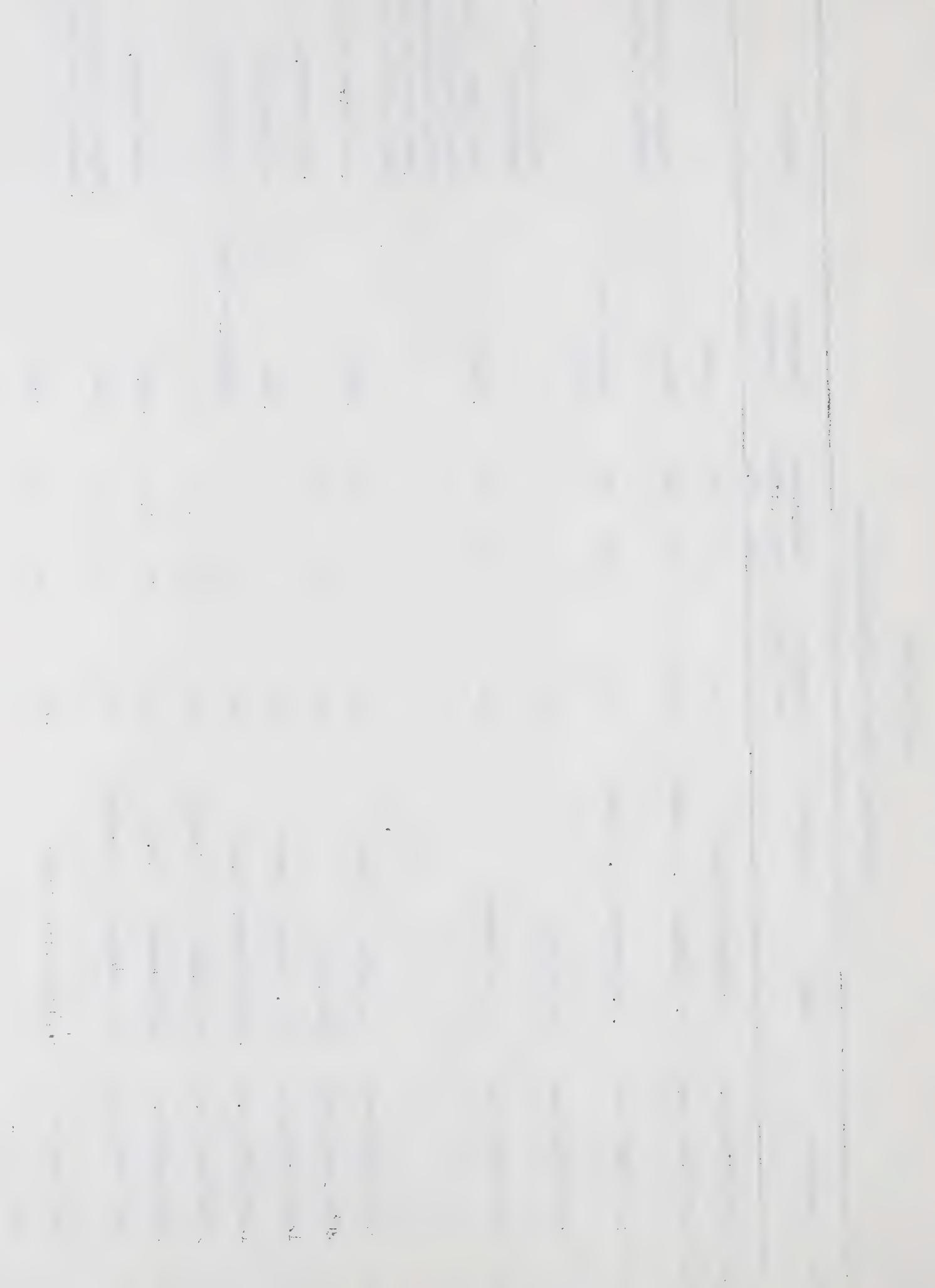
## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom ft.	Reported quality	Remarks
.03	Kellum St. and Fifth Ave.	C. Meyers		44		Good	Water becomes slightly rusty in spring and fall.
.04	905 Fifth Ave.	G. Wilson	O. Fisher	87		Rusty	
.05	408 Cowles St.	F. Ogburn	O. Stevens	68	18 65	Excellent	
.06	819 Fifth Ave.	M. Sather	do.	20		Hard	
.07	811 Fifth Ave.	M. Agbaba	Owner	19		Hard	
.08	810 Fifth Ave.	C. Burkett	Wilbur & Son	60	20	Rusty	Shallow water very poor.
.09	809 Fifth Ave.	A. Grelp	Owner	35		Fair	
.10	805 Fifth Ave.	E. Anderson	O. Fisher	70	12 65		
.12	501 Barnette St.	Kupper Apts.	O. Stevens	79	22 75		
.13	631 Fifth Ave.	Vagn Rydeng	Owner		16 38	Good	Freezes regularly
.14	629 Fifth Ave.	M. P. Station	Army Engineers	244	16 35		Water level 14 feet below surface.
.15	627 Fifth Ave.	Moorehammer Apartments	O. Fisher	50	10 80		Water at 45 feet became bad and well was drilled deeper.
.16	631 Fifth Ave.	Miss Joyce	O. Stevens	84	16 80		
.17	517 Seventh Ave.	Mr. Lavery	A. Wehner	72	15 70		Clear ice penetrated between 40 and 62 feet, according to driller.



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom ft.	Reported quality	Remarks
18	507 Fifth Ave.	T. Radavitch	Owner	61	4	58	Good
19	409 Fifth Ave.	Mr. Muldoon	O. Stevens	80	15	66	Fair
20	323 Fifth Ave.	E.H. Stroecker	O. Fisher	60	20	55	Slight iron, hard
21	321 Fifth Ave.	Mr. Fulton		70			Driller reports no permafrost.
22	308 Fifth Ave.	A. M. Swarner		94	10	60	Fair
23	211 Fifth Ave.	A. Nicken	Owner	83	6	26	Fair
24	208 Fifth Ave.	Ted Lowe		60	8	20	Well freezes.
25	124 Fifth Ave.	F. L. Daniel	Owner	37			No permafrost
26	120 Fifth Ave.	Jeff Studdert	Owner	38			No permafrost.
27	326 Sixth Ave.	R. McKenna	O. Fisher	67	11	62	
28	411 Sixth Ave.	J. Erickson	do.	73	7½	72	Good Never freezes.
29	410 Sixth Ave.	Mr. Muldoon	O. Stevens	55	9	52	Fair Yields 50 gallons a minute to suction pump
30	508 Lacey St.	R. Radavitch	Owner	56	4	55	Fair



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft)	Reported quality	Remarks
132	522 Sixth Ave.	C. K. Kelley		20	21	Slight iron, hard	
133	524 Sixth Ave.	Hazel Dube		86	8	80	Freezes regularly
134	619 Sixth Ave.	Mrs. O'Neal		70	15	65	
135	627 Sixth Ave.	G. McKinsey	O. Fisher	85	15	50	Freezes in summer but not in winter
136	630 Sixth Ave.	Vagn Rydeng	Owner	44	6	36	Does not freeze
137	631 Sixth Ave.	F. L. Word	O. Stevens	85		Rusty, hard	Froze up to 35 feet in July 1947
138	637 Sixth Ave.	B. Steege	E. Kehough	86	36	68	Rusty
139	703 Sixth Ave.	R. Slater			60	Rusty	Water-bearing gravel at 18, 36, and 63 feet. Water at 68 feet has strong, unpleasant odor. Froze after long idleness
140	720 Sixth Ave.	F. Pankratz				Rusty, hard	Freezes regularly
141	801 Sixth Ave.	F. Allison			22	Good	
142	810 Sixth Ave.	Mr. Halloway	Owner		17		
143	817½ Sixth Ave.	A. McGowan	C. Jehner		35	Excellent	Dug well. Sold as bottled water
144	830 Sixth Ave.	Dr. Weston			24	Hard	Water level 12 feet below surface



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of Well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
145	914 Sixth Ave.	C. Meyers	C. Meyers	40	10 12	Good	Gravel from 18 to 40 ft.
146	Kellum St. & Sixth Ave.	Manley Carr	O. Fisher	40			No permafrost
147	601 Bonnifield	R. Wright		64	4 24	Good	
148	1200 Sixth Ave.	J. Larsen	O. Stevens	86	24 55	Good	Does not freeze
149	—						
150	1306 Seventh Ave.	J. McDonald		36		Poor	
151	1305 Seventh Ave.			91	27 87		
152	1024 Seventh Ave.	S. Peterson	Owner	36	3 36	Fair	
153	1010 Seventh Ave.	Ralph Strom	O. Stevens	84			No Permafrost, according to driller
154	910 Seventh Ave.	Adolph Stock		89	40	Good	
155	907 Seventh Ave.	S. Stenberg	Owner	15		Hard	
156	Cowles St. and Seventh Ave.	Mr. Patton	O. Stevens	61	18 60	Rusty, very hard	
157	823 Sixth Ave.	D. Springbett		20+			
158	Arctic Village	Federal Housing Authority		62			Water level at 14 ft. Dia. 6", 40 gpm, -4° drawdown. Chlorinated
159	725 Seventh Ave.	O. Furseth	O. Stevens	74	9 70		



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom ft.	Reported quality	Remarks
160	721 Seventh Ave.	S. Bulavaski	Owner	42	14	16	Good Permafrost present in three thin layers.
161	703 Seventh Ave.	S. F. Gordon	M. Erceg	70	12	66	Freezes often.
162	651 Seventh Ave.	P. Riscovitch	O. Stevens	96	35	80	Never froze.
163	633 Seventh Ave.	J. Raats	Owner	114	40	85	Good Dug about 100 feet, clean quartz sand below. Water at 85 feet has bad odor.
165	607 Seventh Ave.	W. Driscol	E. Kehough	65	15	65	
168	522 Seventh Ave.	Max Love	O. Stevens	75	25	70	
169	523 Seventh Ave.	Mr. Matheson	do.	121	22	108	
170	514 Seventh Ave.	R. G. Lund	O. Fisher	98	12	92	
171	515 Seventh Ave.	T. Nerlin	Ivan Thomas	204	14	100	
172	512 Seventh Ave.	Prof. Shields		98	12	92	Fair
173	509 Seventh Ave.	Seventh Day Adventists	O. Fisher	112	12	105	
174	505 Seventh Ave.	E. R. Farrell	do.	110			Excellent Freezes regularly.
175	608 Lacey St.	L. H. Smith		128			Freezes up to 12 ft below surface.
176	404 Seventh Ave.	J. R. Winfree	O. Stevens	96	32	64	Fair
177	309 Seventh Ave.	Walsie McCowell	do.	85	13	80	Excellent Yields 30 gallons a minute to suction pump.



## Fairbanks, Alaska and adjacent areas

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No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom ft. ft.	Reported quality	Remarks
178	311 Seventh Ave.	U. Arola	U. Fisher	100	12 80	Good	
179	303 Seventh Ave.	U. Acres		96		Fair	
181	106 Eighth Ave.	Mr. LaCross	do.	50	15 30	Excellent	
182	119 Eighth Ave.	R. Pickanna	O. Stevens	31			
183	Eighth Ave., near Noble St.		do.	107	11 102		
184	300 Eighth Ave.	Mr. Foster	do.	91	13 68		
186	503 Eighth Ave.	Chuck West		138	26 96		
187	513 Eighth Ave.	R. Hoops	do.	150	26 145		
188	517 Eighth Ave.	Judge Pratt	do.	163	20 150		
39	521 Eighth Ave.	Mr. Heath	do.	144	15 140		
91	Turner St. and Eighth Ave.	School	do.	156	150		
12	626 Eighth Ave.	R. Eckert		27	27	Rusty, hard	
103	635 Eighth Ave.	L. H. Smith	do.	150	22 145	Rusty	
104	646 Eighth Ave.	R. Bloom	do.	94	23 90	Hard	
175	Barnette St. and Eighth Ave.	Mr. Johnson	do.	85	25 80		
106	714 Eighth Ave.	T. Taitton	do.	80	16 76		



## Fairbanks, Alaska and adjacent areas

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No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
197	713 Eighth Ave.	M. Jackson		80	21 76	Rusty	
198	718 Eighth Ave.	J. Cooper	O. Stevens	75	6 71	Fair	
199	815 Eighth Ave.	A. Simpson	O. Stevens	56	18- 54	Good	Well freezes
200	828 Eighth Ave.	E. M. Jones		30		Hard, slight iron	
201	829 Eighth Ave.	Noel Wien	O. Stevens	111		Good	No permafrost present
202	833 Eighth Ave.	F. S. Philleo		19		Excellent	Dug well
203	Cowles St. nr Eighth Ave.	Crystal well		35		Excellent	Dug well-sold as bottled water
204	905 Eighth Ave.	E. Clausen		24		No iron	Dug well
205	913 Eighth Ave.	J. Sullivan		25		Some hardness	
206	921 Eighth Ave.	B. Carr		60		Hard	Supplies 3 homes, no perma- frost
207	1000 Eighth Av.	A. Conradt	O. Fisher	60		No permafrost	No permafrost
208	1100 Eighth Av.	P. Greiman	Owner	27		Rusty, hard	
210a	Ninth Ave. west of Smythe St.	Denali Apts.	O. Fisher & O. Stevens	112	10- 110	Excellent	Abandoned
210b	"	" "	"	118	10 110	"	"
210c	"	" "	"	103			15 gpm ~ 6" diameter



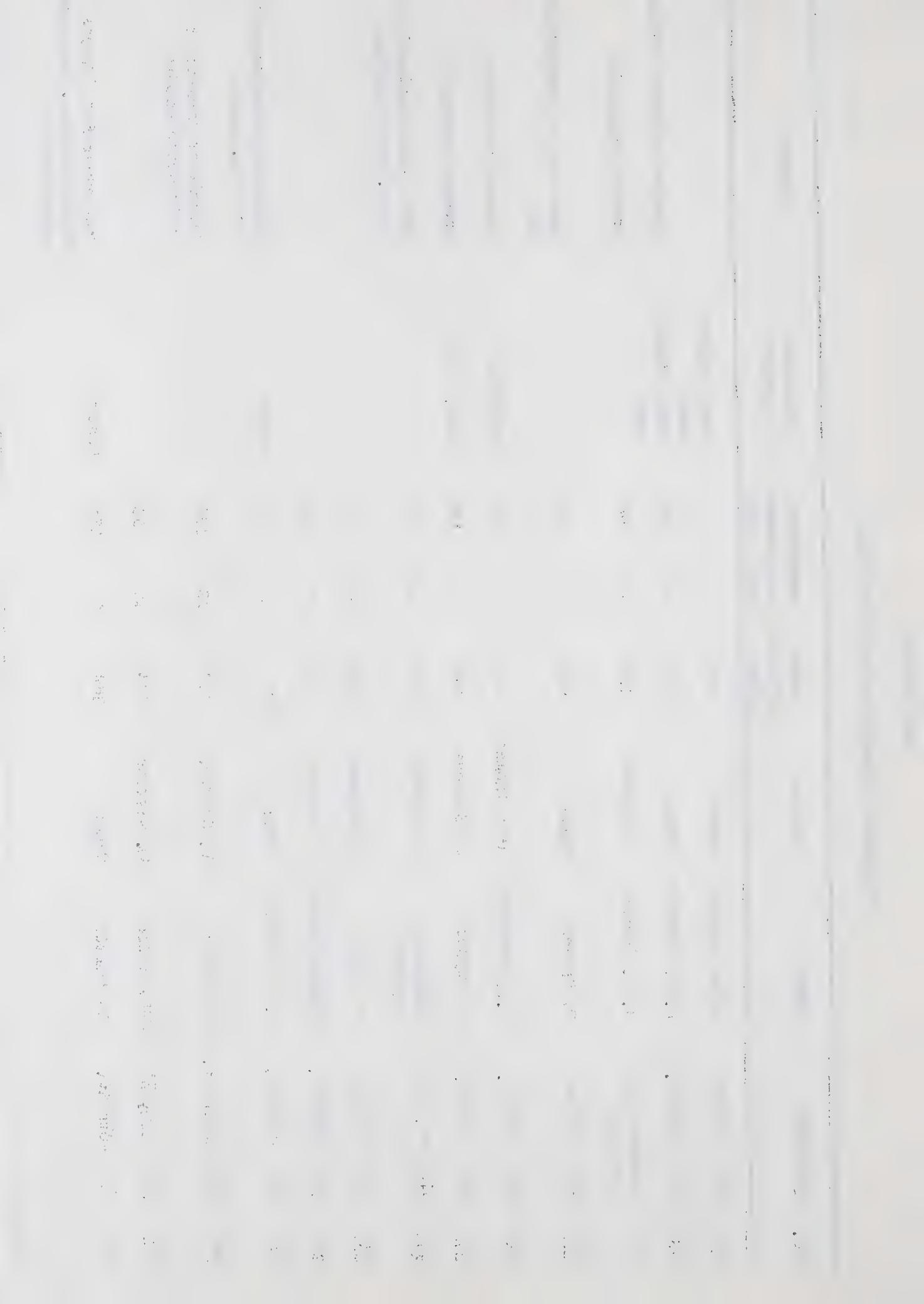
## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top (ft)	Permafrost bottom (ft)	Reported quality	Remarks
211	1010 W. 9th Av.	Bockner	O. Stevens	56	25	40	50 gpm to suction pump	
212	902 Kellum St.	S. O. White	O. Stevens	110	55	70	Good	Well has frozen
213	901 Kellum St.	Col. Fooks		54			Rusty, hard	
214	909 W. 9th Av.	H. Simpson		25			Rusty, hard	
215	829 W. 9th Av.	W. McConn		40			Poor	
216	825 W. 9th Av.	I. L. Blood	Ivan Thomas	134			Good	No permafrost
217	818 E. 9th Av.	L. J. Standberg	Owner	50			Rusty, hard	No permafrost
218	815 E. 9th Av.	N. Benson	O. Stevens	108	12	90		
219	802 E. 9th Av.	W. Tilman	O. Stevens	108	9	75	Fair	"Black water" from zone containing logs at 90'
220	800 E. 9th Av.	J. Siebenthaler	O. Stevens	112	10	95		
221	724 E. 9th Av.	M. Goronoff	O. Stevens	84	8	80		
222	W. 9th Av.	M. Goronoff	O. Stevens	92	16	90		
223	E. 9th Av.	Leo Solburg	O. Stevens	132	16	130		
224	711 E. 9th Av.	C.J. Strandberg	O. Fisher	151	20	145	Fair	Supplies 5 homes Never freezes
226	659 9th Av.	Clark Hunt	O. Stevens	156	7	150		
227	657 9th Av.	P. Stryken	O. Stevens	156	7	150	Good	
228	634 9th Av.	Alvin Rank	Ivan Thomas	175	33	165	Good	Water soft and rusty at first-changed to clear and



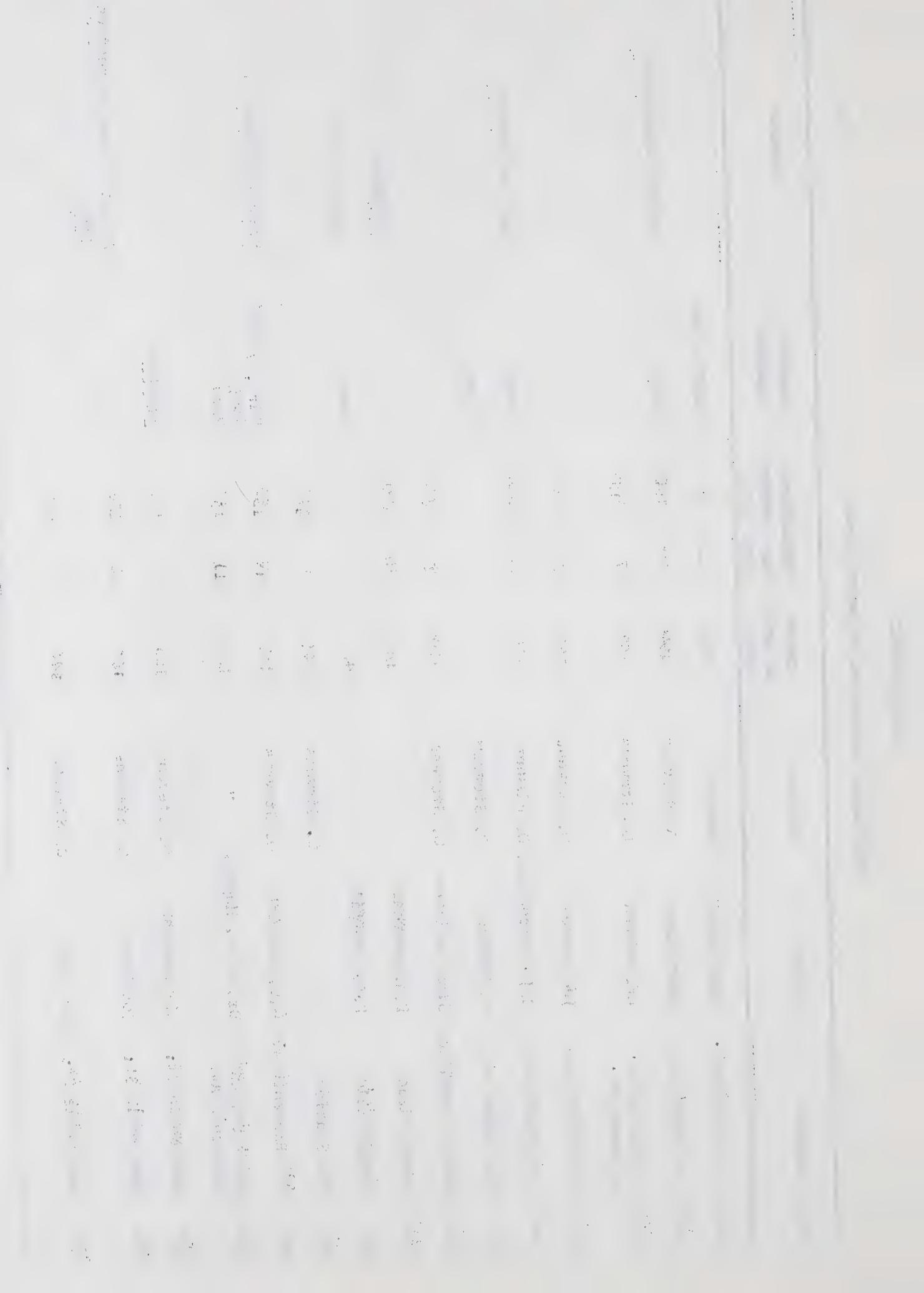
## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Drailler	Depth of well (ft)	Permafrost top (ft)	Permafrost bottom (ft)	Reported quality	Remarks
229	629 9th Av.	Allan McLeod	Owner	20			Hard, slight iron	
230	611 9th Av.	H. P. Karstens	Owner	42	26	28	Hard, slight iron	Quality of water varies
231	Cushman near 9th Av.	J. M. Jensen	O. Fisher	151	12	149		Freezes regularly
232	519 9th Av.	O. Frevel	Owner	80			Shaft dug in permafrost, dry	
234	507 9th Av.	C.L. Lindberg	Ivan Thomas	85	5	78	Excellent	Freezes regularly
235	404 9th Av.	J. Kupper	O. Stevens	151	9	145	Hard, good	Freezes regularly
236	811 Noble St.	Birchtree Gardens	E. Kehough	135	12	130		Water level varies 12 to 14 ft. below surface
237	118 10th Av.	Mr. Works	O. Stevens	110			98	
238	120 10th Av.	Dawson Cooper	O. Stevens	113			40	100
239	303 10th Av.	L. V. Martin	Owner	22			Rusty	Permafrost also present at 6 ft. nearby
240	1001 Noble St.	H. Criger	O. Stevens	124	12	120		Permafrost present at 6 ft. depth nearby
242	1000 Lacey St.	Hans Junes	O. Stevens	183	16	150		
243	521 10th Av.	Art Loftus	Owner	160	4	155	Rusty	Took water for 3 hours during driving. Supplies nine families.



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
244	615 Tenth Av.	Paul Solka	Buteau	40	12 18	Rusty, hard	
245	615 Tenth Av.	Larry Reed	O. Stevens	199	20 150	Poor	Freezes frequently
246	Barnette St. & Tenth Av.	Lt. Steven	O. Stevens	157	7 153		
247	708 Tenth Av.	Joe Jansen	O. Stevens	151	35 145		
248	714 Tenth Av.	C.J. Strandberg	O. Fisher	139	25 125	Good	Used to freeze.
249	716 Tenth Av.	R. Kohler	O. Stevens			Rusty	
250	803 E. Ninth Av.	Star Airlines	O. Stevens	170	5 168		
251	Weeks Field	P.A.A.Hangars		180	30 170		Abandoned
252	Weeks Field	P.A.A.Hangars		42		Poor	Pumps $8\frac{1}{2}$ gpm
253	CAA Station		O. Stevens	141	9 140		
255	525 Eleventh Av.	G.D. Hatcher	O. Stevens	160	19 150	Hard, slight iron	Seldom freezes
256	Lacey St. and Eleventh Av.	Dr. H. G. Hughes	"	156	11 155	Hard	
257	1000 Noble St.	Roy Douglas	O. Stevens	165	9 162	Excellent	
258	1106 Noble St.	Joe Boyle	O. Stevens	161	10 158		Yields 40 gpm to suction pump
259	1101 Noble St.	Bob Niize	O. Stevens	144	7 143		



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
260	Tenth Av., nr Chena River	Juneau Spruce Corporation	O. Fisher	40		Rusty	
261	Chena River nr Tenth Av.	Juneau Spruce Corporation		15			Diameter 4", furnishes 15 gpm for boiler feed
262	Near Radio Sta.	ACS Garage	Army Engrs.	119	21	104	
263	Eleventh Av. & Noble St.	Cheechako Hotel	FHA	168			Diameter 6", 30 gpm with 3' drawdown
264	1109 Noble St.	K. Byston	O. Stevens	163	6	157	Excellent
265	1108 Noble St.	E. Pitts	O. Stevens	160	8	155	
266	1109 Cushman St.	M.H. Wells	O. Stevens	176	20	170	Rusty, hard
267	517 Twelfth Av.	A.P. Anderson		18		Fair	
268	Lacey St. and Twelfth Av.	Chris Sather	O. Stevens	183	20	154	Excellent
269	523 Twelfth Av.	E. Rogge	O. Stevens	179	29	155	Brown water at 154 ft.
270	625 Twelfth Av.	L. Nicols	Owner	25	12	13	Rusty, hard
271	S.Barnette & Thirteenth Av.	M. Jones, W. Ashby		30		Hard	
272	712 Thirteenth Av.	A. Ramsell		22			Hard, rusty
273	1236 Noble St.	T. Kansantres	Owner	16			Hard, rusty



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
274	1231 Noble St.	Dr. Sutherland	Ivan Thomas	177	4	177+	Dry, abandoned
275	1401 Cushman St.	G. Crouch		174	15	163	Good
276	1400 Cushman St.	Cy Grantham		27		Good	Water level 12' below surface
277	14th Av. and S. Barnette St.	Harry Sams		46		Hard	Diameter 4"
278	S. Barnette St.						
279	450 Laurene St.	E. J. Morris	Owner	28		Rusty	
280	15th Av. and Cushman St.	May Batchelder	O. Stevens	18		Fair	
281	777 15th Av.	L. Platt		18		Good	
301	Pennsylvania St.	Fairbank's Exploration Co.	Owner	90+	20	45	"Townsite well, 36" diameter, 250 gpm.
302	Penn. St.	Fairbanks Exploration Co.	Owner	40+			30" (?) drawdown, Dug 75", by 60", 800 gpm
303	Penn. St.	Fairbanks Exploration Co.	Owner	106			Abandoned, dia. 16" dia. 2900 gpm with 9.8 drawdown after 32 days
304	Penn. St.	Fairbanks Exploration Co.	Owner	90			2800 gpm



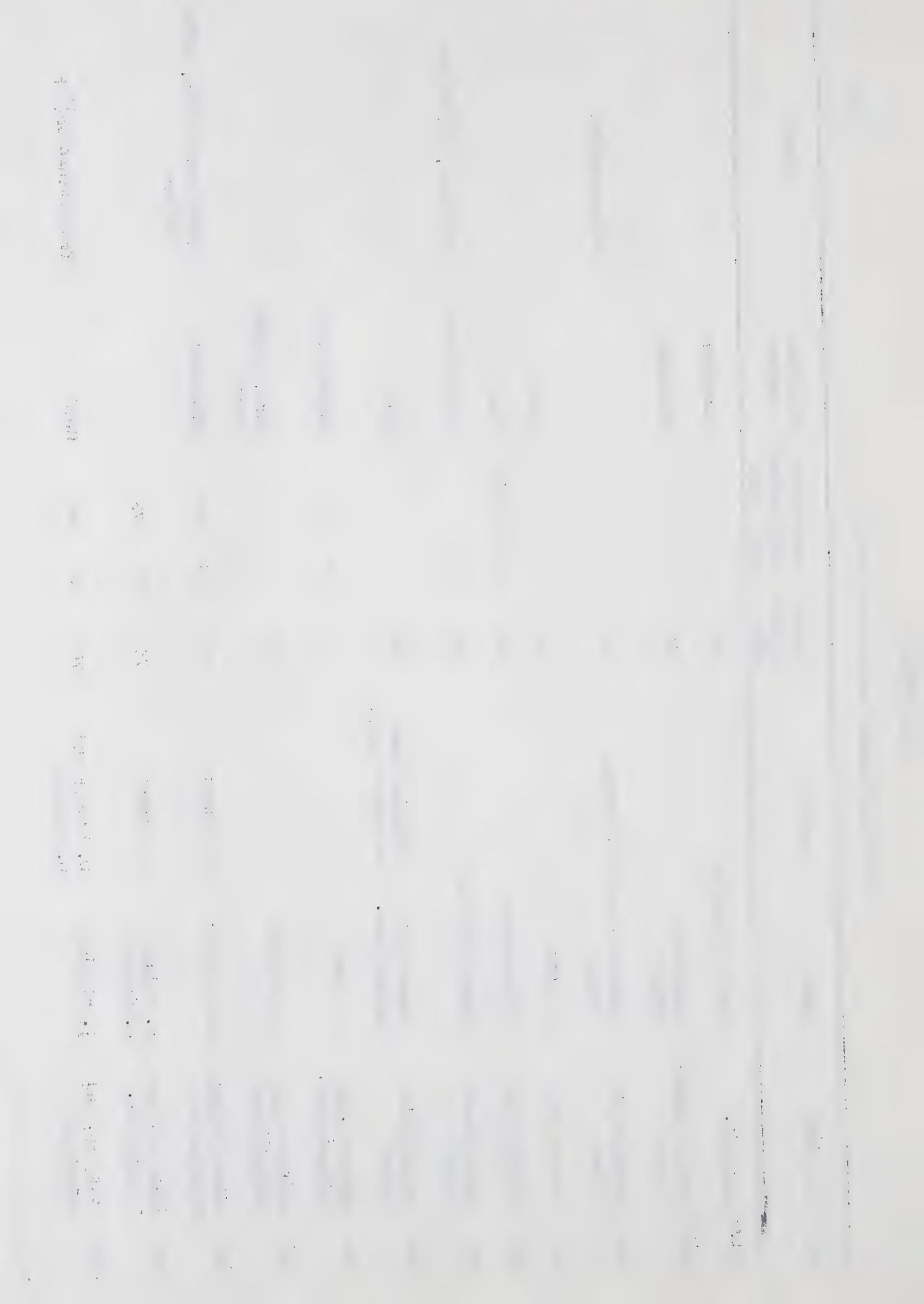
## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
305	Near Charles St.	Fairbanks Exploration Co.	Owner	90			36" dia., 2800 gpm
306	Church and Minnie Sts.	Fairbanks Exploration Co.	Owner	364			Abandoned. 36" dia. 2800 gpm with 22' draw- down
307	Church and Slater Sts.	Fairbanks Exploration Co.	Owner	90			24" dia., 2400 gpm.
308	Church and Slater Sts.	Fairbanks Exploration Co.	Owner	136	22	26	Abandoned. Yielded 3400 gpm with 5.7 ft. drawdown
310	Charles St.	R. Johnson	O. Stevens	51	12	49	
311	405 Charles St.	L. Lowisbury	Owner	45			Excellent
312	314 Slater St.	E. L. Morse			22½		Excellent
313	Pennsylvania St.	Standard Oil Company	O. Stevens	40			Not affected by pumping adjacent well 307
314	Pennsylvania St.	Alaska Road Commission	A. McLeod	95	60	70	No permafrost
315	110 Church St.	J. Borders		28			Good
316	Pennsylvania St.	E. Briggan		27			Excellent
317	Cushman St.	St. Josephs Hospital	B. Kehough	60			Poor Water treated for laundry use.



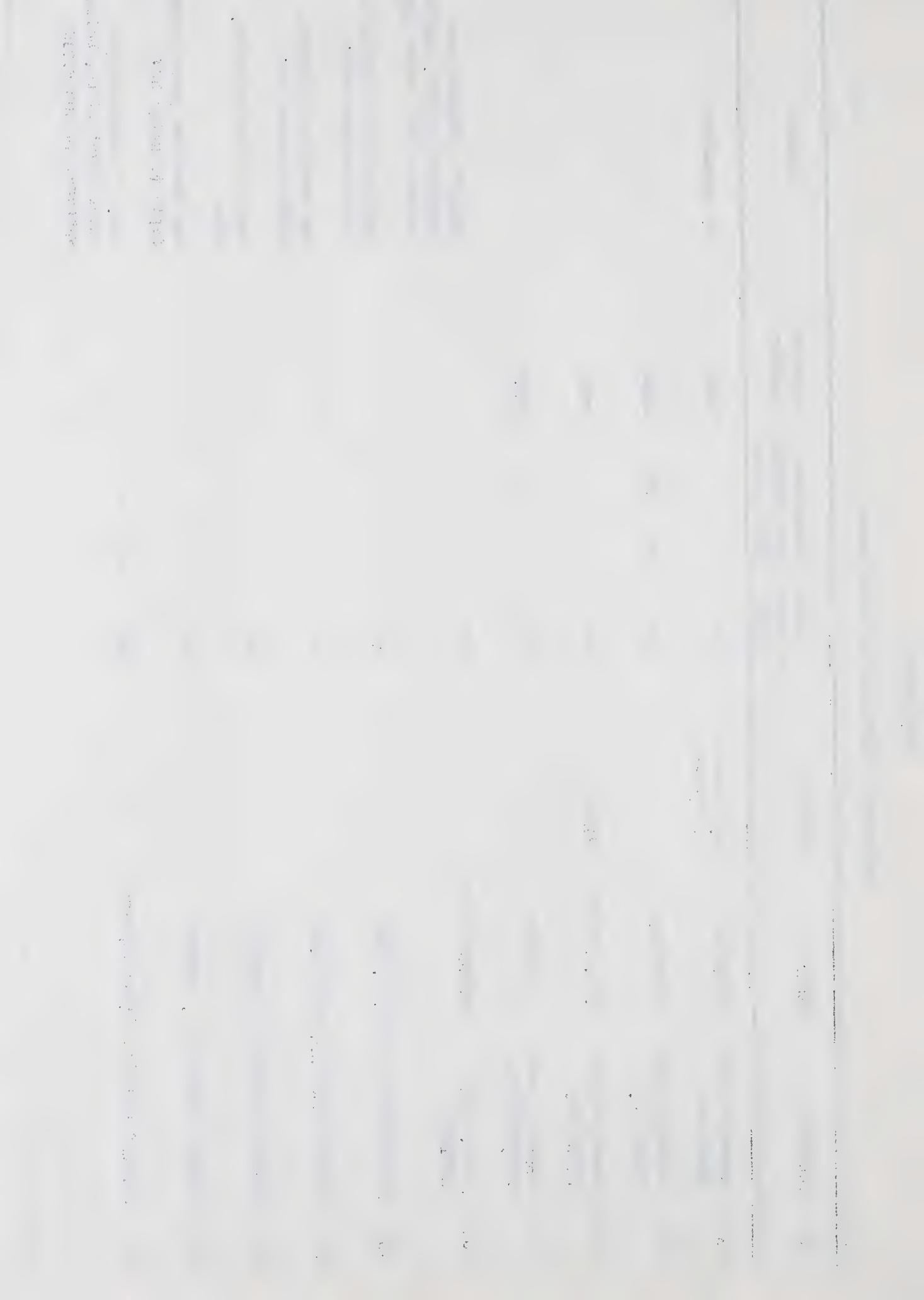
## Fairbanks, Alaska and adjacent area

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
318	Park St.	Glen Carrington		21		Excellent	
319	Park & Brandt Sts.	West Coast Grocery		19		Excellent	
320	Along Chena River	Pioneer Brewing O. Stevens Company		108			No permafrost
321	Pioneer Rd.	J. Korba		42		Rusty	
322	Pioneer Rd.	O. Baumeister		90	26	26½	Fair
323	Along Chena River	Alaska Railroad		23		Rusty, hard	Dug well, 20,000 gpd
324	Along Chena River	Alaska Fire control Sta.	Civilian Con- servation Corp.	21½		Poor	
330	Third St. and Fortymile Av.	T. Jones		75	35	70	Slight iron
331	Third St and Fortymile Av.	M. Todcrroff		18		Hard, slight iron	
332	Fourth St. east of Eagle Av.	Mr. Lambert	O. Fisher	75	11	60	Excellent
333	Third St. east of Eagle Av.	D. Wilder & O. Stevens	O. Fisher	74	9	73	Water level 12 ft. below surface
334	Pratt Av. and Front St.	J. Stanley	O. Fisher and O. Stevens	70	12	60	Good
							Temperature 32½° F



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top (ft)	Permafrost bottom (ft)	Reported quality	Remarks
335	Second St and Eagle Av.	H. Aaron	O. Fisher & O. Stevens	56			Good	No permafrost
336	Second St and Eagle Av.	M. Killian		30	18	30	Good	
337	Dawson Av. nr Front St.	B. W. Kelley	Owner	20			Good	
338	Front St. and Fortymile Av.	J. Stahler		35			Rusty	
401	1½ mi. N. of College	Reindeer Farm		182				
402	Farmers Loop Rd.	J. R. Cox		50				
403	Farmers Loop Rd.	Alec Husac		80				
404	Farmers Loop Rd.	C. McGrath		83				
405	Farmers Loop Rd.	C. McGrath		80				
406	Farmers Loop Rd.	Claus Johnson		200	12-	92		Dia. 6", bedrock 200' water level 15 ft. below surface. 1½ gpm yield



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft.)	Permafrost top bottom (ft.) (ft.)	Reported quality	Remarks
407	Ester Rd. N. of College	Dept. Agriculture Experimental Farm	J. Leland	104			Schist penetrated at 74 ft. Depth to water 39 ft. Yield small.
408	University Av.	H. Halvorsen	Owner	23		Excellent	Depth to water 18 ft.
410	University Av.	Quonset Huts		175	20	175	Dry
411	Deborah Av.	Muckler		126	2	120	Rusty
412	Deborah Av.	Jameson		16			Slight Iron
413	Ester Rd. $\frac{1}{4}$ mi. E. of College	James Ryan		102	2	80	
414	Ester Rd. $\frac{1}{2}$ mi. E. of College	A.C.S.K-1	Army Engrs.	100	15	84	Abandoned
415	Ester Rd. $\frac{1}{2}$ mi. E. of College	A.C.S.K-1	Army Engrs.	90	3	62	Abandoned
416	Ester Rd. $\frac{1}{2}$ mi. E. of College	A.C.S.K-1	Army Engrs.	102	0	102	
417	Ester Rd. $\frac{1}{2}$ mi. E. of College	A.C.S.K-1	Army Engrs.	342			No permafrost reported



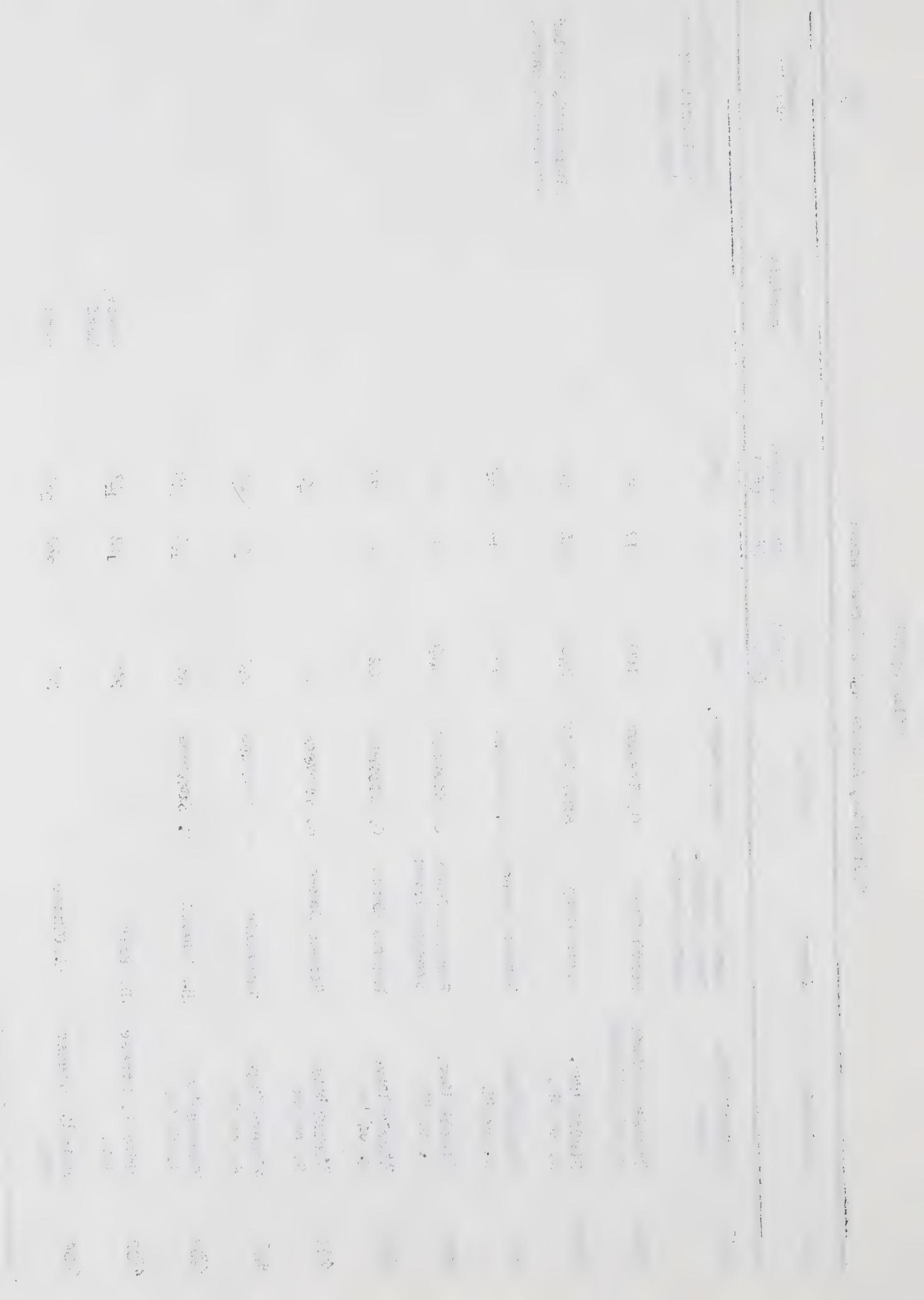
## Fairbanks, Alaska, and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
418	Ester Rd. $\frac{1}{2}$ mi E. of College	A.C.S.X-1	Army Engrs.	35			Abandoned
419	Ester Rd. and Noyes Slough	H. Morgan		20	21	Poor	
420	Ester Rd. and Noyes Slough	P.J. McDonald	O. Fisher	144	16	144+	Bedrock reported at 129'.
421a	Ester Rd. 1 mi. N. of Fairbanks	Creamers Dairy		18		Hard, slight iron	Dug. Yields 15 gpm. Maximum of 1,500 gpd.
421b	Ester Rd. 1 mi. N. of Fairbanks	Creamers Dairy		84	39	Rusty	Abandoned
421c	Ester Rd. 1 mi. N. of Fairbanks	Creamers Dairy		152	38	152	Dry
423	Farmers Loop Road	Old Fox Farm	O. Fisher	126	5	113	Flows. Water discharged out of casing extended 10' above surface.
424	Farmers Loop Road	Army Permafrost Experimental Station	Army Engrs.	112	2	96	Flows 50gpm. Pumped 600 gpm. Diameter 8".



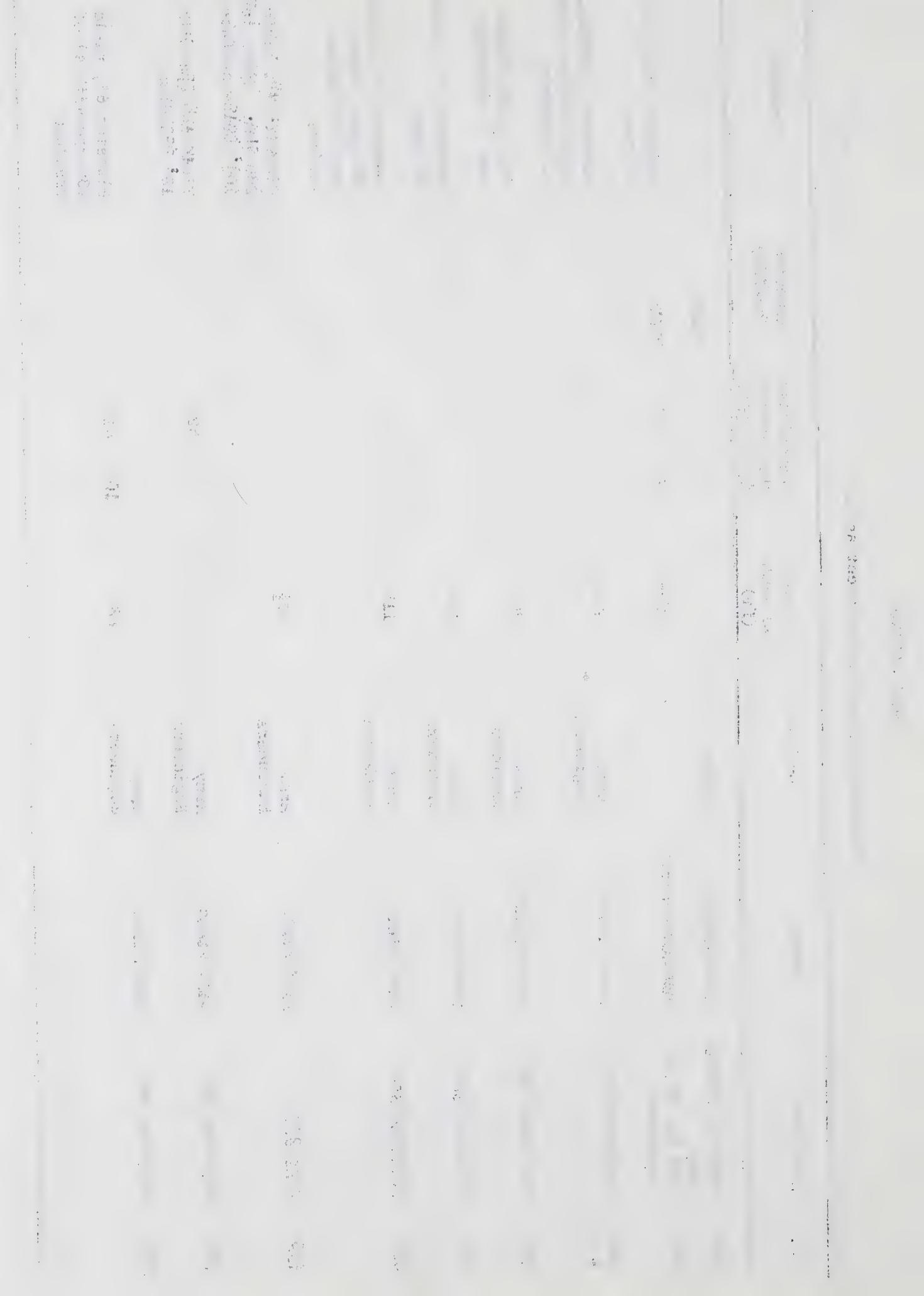
## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
425	Farmers Loop Road	Army Permafrost Experimental Station	Army Engrs.	241+	2 178		Diameter 6 inches. Still drilling in black muck.
426a	Steeese Highway N. of railroad	North Camp	O. Stevens	100	17 97		
426b	Steeese Hwy. N. of RR.	North Camp	Army Engrs.	228	18 98½		Abandoned. Failed to develop water.
427	Steeese Hwy. N. of RR	Gordon Branch	O. Stevens	86	14 85		
428	Steeese Hwy. N. of RR	Farmers Co-op Storage Plant	O. Stevens	100	9 85		
429	Steeese Hwy. N. of RR	Magnus Marks	O. Stevens	82	6 78		
430	Steeese Hwy. S. of RR	Forbes Baker	O. Stevens	49	7 45		
431	Steeese Hwy. S. of RR	Melville	O. Stevens	48	2 45		
432	Steeese Hwy. S. of RR	J. Kunkel	O. Stevens	65	13 30		
433	Mile 1, Steese Hwy,	D. Polk		28	12 13		Rusty, Hard
434	Mile 1, Steese Hwy.	C. E. Chase		36	20 21		Hard



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
435	Mile 1, Steese Hwy. 3/4 Mi. NE of Fairbanks	Ivan Thomas	Owner			Rusty	
436		Bentleys Dairy		65+	?	65	Fair Supplies dairy of 60 cows
449	Building 305	Ladd Field	Army Engineers	100			Diameter 6 inches. yield 120 gpm with 21' drawdown
450	Building 350	Ladd Field	Army Engineers	30			Dug, yield 780gpm with 7' drawdown
451	Building 384	Ladd Field	Army Engineers	160			Diameter 8", yield 500 gpm
452	Building 354	Ladd Field	Army Engineers	118			Diameter 4", yield 500 gpm. Water level 12' below surface
453	Zone 200	Ladd Field	Army Engineers		47½		Diameter 4". yield 230 gpm. Water level 10½' below surface
454	Building 285	Ladd Field	Army Engineers			52	Yield 160 gpm with 18' drawdown
455	Building 282	Ladd Field	Army Engineers	88	10	62	Diameter 6", yield 230 gpm with 4" of drawdown



## Fairbanks, Alaska and adjacent areas

No.	Location	Owner	Driller	Depth of well (ft)	Permafrost top bottom (ft) (ft)	Reported quality	Remarks
456	Building 117	Ladd Field	Army Engineers	112			Diameter 24", yield 500 gpm
458	Building 105	Ladd Field	Army Engineers	97			Diameter 18", yield 200 gpm
459	Zone 100	Ladd Field	Army Engineers	80	47		Diameter 6", yield 280 gpm with 12½° of drawdown
460	Building 933	Ladd Field	Army Engineers	87	23		Diameter 6", yield 200 gpm with 17½° drawdown
461	Zone 900	Ladd Field	Army Engineers	44	31		Diameter 6", yield 240 gpm with 13° of drawdown
462	Building 902	Ladd Field	Army Engineers	55			Diameter 6", yield 220 gpm with 6½° of drawdown

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